

## INTERNATIONAL SEARCH REPORT

International Classification No.

PCT/IB 03/02625

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04N7/26

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim to.
X	US 5 852 664 A (BRUCKS DOUG. ET AL) 22 December 1998 (1998-12-22) column 6, line 38 -column 7, line 13 ---	1,14,15
Y	MANDAL M K ET AL: "A CRITICAL EVALUATION OF IMAGE AND VIDEO INDEXING TECHNIQUES IN THE COMPRESSED DOMAIN" IMAGE AND VISION COMPUTING, GUILDFORD, GB, vol. 17, 1999, pages 513-529, XP002936007 ISSN: 0262-8856 paragraph '03.1! - paragraph '03.4! --- -/-	1-5, 11-15

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*C\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* prior document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

3 October 2003

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23/10/2003

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## C (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim 1(a)
Y	<p>SCHNEIDER M ET AL: "A ROBUST CONTENT BASED DIGITAL SIGNATURE FOR IMAGE AUTHENTICATION" PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP) LAUSANNE, SEPT. 16 - 19, 1996, NEW YORK, IEEE, US, vol. 3, September 1996 (1996-09), pages 1-2, XP002952953 ISBN: 0-7803-3259-8 paragraph '03.0! paragraph '05.0! paragraph '06.0! ----</p>	1-5, 11-15
A	<p>GIONIS A ET AL: "Similarity search in high dimensions via hashing" VERY LARGE DATA BASES, PROCEEDINGS OF THE TWENTY-FIFTH INTERNATIONAL CONFERENCE ON VERY LARGE DATA BASES, PROCEEDINGS OF 25TH INTERNATIONAL CONFERENCE ON VERY LARGE DATABASES, EDINBURGH, UK, 7-10 SEPT. 1999, pages 518-529, XP002256564 1999, Orlando, FL, USA, Morgan Kaufmann Publishers, USA paragraph '0001! paragraph '0004! paragraph '04.3! ----</p>	1
A	<p>FAN J ET AL: "MULTIVIEW: MULTILEVEL VIDEO CONTENT REPRESENTATION AND RETRIEVAL" JOURNAL OF ELECTRONIC IMAGING, SPIE + IS&amp;T, US, vol. 10, no. 4, October 2001 (2001-10), pages 895-908, XP001104669 ISSN: 1017-9909 paragraph '0005! paragraph '0006! ----</p>	1-15
A	<p>CHENG YANG: "MACS: music audio characteristic sequence indexing for similarity retrieval" IEEE WORKSHOP ON APPLICATIONS OF SIGNAL PROCESSING TO AUDIO AND ACOUSTICS, XX, XX, 21 October 2001 (2001-10-21), pages 123-126, XP010566890 the whole document ----</p>	1-15
A	<p>HAITSMA ET AL: "Robust Audio Hashing for Content Identification" PROCEEDINGS INTERNATIONAL WORKSHOP ON CONTENT-BASED MULTIMEDIA INDEXING, XX, XX, 19 September 2001 (2001-09-19), pages 1-8, XP002198245 the whole document ----</p>	1-15

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	References to claim No
A	<p>SWANSON M D ET AL: "CODING FOR CONTENT-BASED RETRIEVAL" 1996 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING - PROCEEDINGS. (ICASSP). ATLANTA, MAY 7 - 10, 1996, IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING - PROCEEDINGS. (ICASSP), NEW YORK, IEEE, US, vol. 4 CONF. 21, 7 May 1996 (1996-05-07), pages 1958-1961, XP000681634 ISBN: 0-7803-3193-1 the whole document</p>	1
A	<p>SHIH-FU CHANG: "Compressed-domain techniques for image/video indexing and manipulation" PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING. (ICIP). WASHINGTON, OCT. 23 - 26, 1995, LOS ALAMITOS, IEEE COMP. SOC. PRESS, US, vol. 3, 23 October 1995 (1995-10-23), pages 314-317, XP010196854 ISBN: 0-7803-3122-2 the whole document</p>	1-15
A	<p>MANDAL M K ET AL: "INTEGRATED COMPRESSION AND INDEXING OF VIDEO IN THE WAVELET DOMAIN" JOURNAL OF ELECTRONIC IMAGING, SPIE + IS&amp;T, US, vol. 9, no. 2, April 2000 (2000-04), pages 85-100, XP000959229 ISSN: 1017-9909 the whole document</p>	1-15
A	<p>QIU G: "Constructing colour image databases using BTC for efficient storage and effective retrieval" PROCEEDINGS OF 2001 INTERNATIONAL SYMPOSIUM ON INTELLIGENT MULTIMEDIA, VIDEO AND SPEECH PROCESSING, 2 April 2001 (2001-04-02), pages 364-367, XP010544738 Hong Kong the whole document</p>	1-15

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5852664	A	22-12-1998	NONE